

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2520	375/341,265,259,262.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 10:39
L2	15	(ophir near lior).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 10:39
L3	23	(sommer near naftali).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 10:39
L4	47	(shalvi near ofir).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 10:39
L5	65	2 3 4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 10:39
L6	6	5 and 1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 10:40
L7	1	6 and ttcn and (demapping de-mapping)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 10:41
L8	0	6 and ttcn and (demapping de-mapping)	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 10:41

## EAST Search History

S1	28	ttcm	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/06 10:33
S2	0	"20020037055".URPN.	USPAT	OR	OFF	2004/10/12 18:46
S3	39	turbo near trellis near code\$1 near modulation	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/12 18:50
S4	22	(turbo near trellis near code\$1 near modulation) and map\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/12 18:51
S5	1	((turbo near trellis near code\$1 near modulation) and map\$4) and shap\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/12 18:51
S6	13	((turbo near trellis near code\$1 near modulation) and map\$4) and constellation	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/12 19:03
S7	10	ttcm and map\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/13 10:23
S8	61	turbo near trellis	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/13 10:23
S9	36	map\$4 and (turbo near trellis)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/13 10:25
S10	329	coset	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/13 10:25
S11	0	coset and ttcm	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/13 10:26
S12	1	coset and (turbo near trellis)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/13 10:34

## EAST Search History

S13	0	(trellis near shaping) and (turbo near trellis)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/13 10:34
S14	32	trellis near shaping	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/17 13:24
S15	2	"6252911".URPN.	USPAT	OR	OFF	2004/10/13 10:46
S16	3	ttdm and shaping	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/13 13:30
S17	110	shell near map\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/13 13:31
S18	1	((shell near map\$4) and trellis) and ttdm	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/13 13:31
S19	1	((shell near map\$4) and trellis) and turbo	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/13 13:31
S20	56	(shell near map\$4) and trellis	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/13 13:32
S21	37	((shell near map\$4) and trellis) and ((pre near cod\$4) or precod\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/13 13:32
S22	28	ttdm	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/17 12:25
S23	68	ttdm or (trellis near turbo)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/17 12:25
S24	14	(ttdm or (trellis near turbo)) same (constellation or shaping)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/17 12:42

## EAST Search History

S25	0	(ttcm or (trellis near turbo)) and forney.in.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/17 12:42
S26	0	(ttcm or (trellis near turbo)) and eyuboglu.in.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/17 12:45
S27	2	(ttcm or (trellis near turbo)) and precoding	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/17 12:45
S28	3	(ttcm or (trellis near turbo)) and (precoding or (pre near2 coding))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/17 12:47
S29	75	shell near mapping	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/17 12:47
S30	0	(turbo near trellis) same advantage same isi	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/17 13:08
S31	1	(turbo near trellis) same isi	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/17 13:09
S32	5	(turbo near coding) same constellation	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/17 13:09
S33	6	(turbo near coding) same constellation	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/17 13:21
S34	64	turbo same shaping	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/17 13:21
S35	3	(turbo near trellis) same shaping	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/17 13:21
S36	0	(turbo near coding) same shaping	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/17 13:21

## EAST Search History

S37	15	(turbo near coding) and shaping	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/17 13:22
S38	2	("5150381").PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/17 13:24
S39	31	"5150381".URPN.	USPAT	OR	OFF	2004/10/17 13:26
S40	8	("4581601"   "4586182"   "4755998"   "4807253"   "4873701"   "4888779"   "4894844"   "4959842").PN.	USPAT	OR	OFF	2004/10/17 13:38
S41	13	(US-6711206-\$ or US-5465273-\$ or US-5150381-\$ or US-6587512-\$ or US-5654986-\$ or US-5388124-\$ or US-4959842-\$ or US-5774500-\$ or US-5214672-\$).did. or (US-20020037055-\$ or US-20020031190-\$ or US-6088387-\$ or US-5214672-\$). did.	USPAT; DERWENT	OR	OFF	2004/10/17 14:12
S42	3	((US-6711206-\$ or US-5465273-\$ or US-5150381-\$ or US-6587512-\$ or US-5654986-\$ or US-5388124-\$ or US-4959842-\$ or US-5774500-\$ or US-5214672-\$).did. or (US-20020037055-\$ or US-20020031190-\$ or US-6088387-\$ or US-5214672-\$). did.) and turbo	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/17 14:15
S43	0	forney.in. and turbo	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/17 14:20
S44	0	codex.as. and turbo	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/17 14:20
S45	339	codex.as.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/17 14:20
S46	40	codex.as. and trellis	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/17 14:20

## EAST Search History

S47	0	(codex.as. and trellis) and turbo	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/17 14:20
S48	13	(US-6711206-\$ or US-5465273-\$ or US-5150381-\$ or US-6587512-\$ or US-5654986-\$ or US-5388124-\$ or US-4959842-\$ or US-5774500-\$ or US-5214672-\$).did. or (US-20020037055-\$ or US-20020031190-\$ or US-6088387-\$ or US-5214672-\$). did.	USPAT; DERWENT	OR	OFF	2004/10/17 17:06
S49	7	((US-6711206-\$ or US-5465273-\$ or US-5150381-\$ or US-6587512-\$ or US-5654986-\$ or US-5388124-\$ or US-4959842-\$ or US-5774500-\$ or US-5214672-\$).did. or (US-20020037055-\$ or US-20020031190-\$ or US-6088387-\$ or US-5214672-\$). did.) and (round or spherical or circ\$5)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/17 16:41
S50	6	((US-6711206-\$ or US-5465273-\$ or US-5150381-\$ or US-6587512-\$ or US-5654986-\$ or US-5388124-\$ or US-4959842-\$ or US-5774500-\$ or US-5214672-\$).did. or (US-20020037055-\$ or US-20020031190-\$ or US-6088387-\$ or US-5214672-\$). did.) and (round or spherical or circle or circular)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/17 16:41
S51	22	(US-6711206-\$ or US-5465273-\$ or US-5150381-\$ or US-6587512-\$ or US-5654986-\$ or US-5388124-\$ or US-4959842-\$ or US-5774500-\$ or US-5214672-\$).did. or (US-20020037055-\$ or US-20020031190-\$ or US-6088387-\$ or US-5214672-\$). did.	USPAT; DERWENT	OR	OFF	2004/10/17 17:06
S52	2	((US-6711206-\$ or US-5465273-\$ or US-5150381-\$ or US-6587512-\$ or US-5654986-\$ or US-5388124-\$ or US-4959842-\$ or US-5774500-\$ or US-5214672-\$).did. or (US-20020037055-\$ or US-20020031190-\$ or US-6088387-\$ or US-5214672-\$). did. ) and shell and coset	USPAT; DERWENT	OR	ON	2004/10/17 17:15

## EAST Search History

S53	5	shell and ttcn	USPAT; DERWENT	OR	ON	2004/10/17 17:15
S54	1	shell and (turbo near trellis)	USPAT; DERWENT	OR	ON	2004/10/17 17:16
S55	101	shell near map\$4	USPAT; DERWENT	OR	ON	2004/10/17 17:17
S56	52	(shell near map\$4) and trellis	USPAT; DERWENT	OR	ON	2004/10/17 17:17
S57	1	(shell near map\$4) and (trellis near turbo)	USPAT; DERWENT	OR	ON	2004/10/17 17:17
S58	43	(shell near map\$4) and (trellis and shaping)	USPAT; DERWENT	OR	ON	2004/10/17 17:17
S59	13	(US-6711206-\$ or US-5465273-\$ or US-5150381-\$ or US-6587512-\$ or US-5654986-\$ or US-5388124-\$ or US-4959842-\$ or US-5774500-\$ or US-5214672-\$).did. or (US-20020037055-\$ or US-20020031190-\$ or US-6088387-\$ or US-5214672-\$). did.	USPAT; DERWENT	OR	OFF	2004/10/17 18:25
S60	1	((US-6711206-\$ or US-5465273-\$ or US-5150381-\$ or US-6587512-\$ or US-5654986-\$ or US-5388124-\$ or US-4959842-\$ or US-5774500-\$ or US-5214672-\$).did. or (US-20020037055-\$ or US-20020031190-\$ or US-6088387-\$ or US-5214672-\$). did.) and (decod\$4 with table)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/17 18:25
S61	1	((US-6711206-\$ or US-5465273-\$ or US-5150381-\$ or US-6587512-\$ or US-5654986-\$ or US-5388124-\$ or US-4959842-\$ or US-5774500-\$ or US-5214672-\$).did. or (US-20020037055-\$ or US-20020031190-\$ or US-6088387-\$ or US-5214672-\$). did.) and (decod\$4 with probability)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/17 18:27
S62	52	trellis and decod\$4 and histogram	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/17 18:28
S63	1	(trellis and decod\$4 and histogram) and tcn	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/17 18:27

## EAST Search History

S64	8	trellis and (decod\$4 same histogram)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/17 18:28
S65	107	tuple and trellis	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/12 15:24
S66	175	tuple and trellis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/12 15:25
S67	7	tuple and (trellis near (precoding (pre adj2 coding)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/12 16:35
S68	2248	375/341,265,259,262.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 10:38
S69	175	tuple and trellis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/12 16:37
S70	47	S69 and S68	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/12 16:37
S71	23	forney.in. and map\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/08 13:17
S72	0	(trellis adj precoding) and (histogram same decod\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/08 13:17
S73	0	(trellis adj precoding) and (histogram )	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/08 13:17



## EAST Search History

S74	69	(trellis ) and (histogram )	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/08 13:23
S75	116	(histogram ) same (data with (one and zero))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 13:23
S76	2	(histogram ) same (data with (one and zero)) same probability	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 13:24
S77	4	(histogram ) same (viterbi near decod\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 13:25
S78	4	(histogram ) same ((viterbi trellis) near decod\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 13:55
S80	96	shell adj map\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 13:55
S81	57	S80 and trellis	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 15:50
S82	65	(shell adj map\$4) and decoder	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 15:54
S83	1	(shell adj (de-map\$4 (de adj2 map\$4))) and decoder	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 16:55
S84	235	shell same decod\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 16:55
S85	17	(shell adj map\$4) same decod\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 17:00

## EAST Search History

S86	2	("5926505").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/08 17:00
S87	1	S86 and non	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 17:01
S88	1	S86 and probability	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 17:03
S89	1	S86 and distribution	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 17:07
S90	325	laroia	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 17:07
S91	6	laroia adj precod\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 17:07
S92	6	laroia same shell	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 17:09
S93	16	laroia and shell	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 17:10

## EAST Search History

S94	42	laroia with (precod\$4 (pre adj2 cod\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 17:10
S95	10	S94 and shell	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 17:10
S96	34	shell with (precod\$4 (pre adj2 cod\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 17:34
S97	7	(symbol adj distribution) and trellis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 17:35
S98	336	(probability with distribution) and trellis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 17:35
S99	21	(probab\$6 with distribution with decoder) and trellis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 18:09
S100	2310	375/265,262,259,265,341.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 18:10
S101	1013	trellis and S100	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 18:10

## EAST Search History

S10 2	17	S101 and shell	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/08 18:10
S10 3	2	shell near (de-map\$4 (de adj2 map\$4))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/13 12:02
S10 4	12	decoder same shell same map\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/13 12:02
S10 5	261	shell with (\$3map \$3mapper \$3mapping)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/06 10:34
S10 6	31	receiver same S105	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/06 10:34